



Professional Packaging Systems

2010 S. Great Southwest Parkway
Grand Prairie, Texas 75051
www.ProPac.com

Contact

Our Packaging Experts
solutions@propac.com
888-318-0083

Videojet 7610 Fiber Laser Marking System

At a Glance

- 100-Watt fiber laser marking machine for high-contrast marking at high speeds
- Air-cooled laser source nearly eliminates maintenance intervals
- Maximum single line speed of 600m/min (1968 ft/min)
- Large marking window provides more time to mark, increases throughput and maximizes productivity



Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

High-Contrast Marking at Ultra-Fast Line Speeds

The Videojet 7610 100-Watt fiber industrial laser printer delivers highly legible, permanent codes at ultra-fast line speeds.

The Videojet 7610 100-Watt fiber laser marking system now delivers extended speed capabilities to mark crisp, clear codes on robust plastic packaging, metal containers and other industrial products at up to 600m/min.

The 7610 laser is specifically engineered for high-speed marking on robust materials such as high-density Polyethylene (HDPE), Nylon, Polyvinyl Chloride (PVC), as well as aluminum and stainless steel metals.

Benefits

Uptime Advantage

Maximum performance and laser source life expectancy up to 100,000 hours (MTBF).

Air-cooled laser source virtually eliminates maintenance intervals.

No wear parts minimizes downtime.

Built-In Productivity

Optimized to mark-on-the-fly at line speeds up to 600 m/min.

Large marking window provides more time to mark, increasing throughput and maximizing productivity.

Code Assurance

High-precision scan head delivers consistent high-quality codes across the entire mark window.

Permanent codes help assure product traceability and tamper-proofing.

Simple Usability

Compact mechanical design with flexible configuration options help ensure a seamless fit into the packaging line.

Please [contact Pro Pac](#) or call 888-318-0083 for your printing and date-coding equipment.

Marking Fields

Focal Length	100	163	254	420
Max Height/mm	107.4	181.9	267.8	498.5
Max Width/mm	84.7	142.2	221.7	366.5

Specifications

Specification	Value
Laser Tube	Ytterbium (Yb) pulsed fiber laser
Maximum Power	100W
Laser Cooling	Air cooled
Maximum Line Speed	600 m/min (1,968 ft/min)
Environmental Protection	IP54
Supply Unit	IP22
Beam Output	Steered beam
Laser Source Expected Life (MTBF)	Up to 100,000 hours (MTBF)
Laser Wavelength Options	1.06µm – 1.07µm
Focal Distance Options	100/163/254/420mm (3.93/6.41/10/16.53in)
Maximum Mark Window	498.5 x 366.5 mm (19.62 x 14.43 in)
Standard I/O Connectivity	Internal terminal connections
Standard User Interface	Smartgraph PC software
Certifications / Approvals	CE TUV

More Specifications

Marking Formats	<p>Standard fonts (Windows TrueType / TTF; PostScript / PFA, PFB; Open Type / OTF) and individual fonts, such as high-speed or OCR</p> <p>Machine readable codes: ID-MATRIX (ECC100, 140, 200: 10x10 for square formats, 8x8 to 16x48 for non-square formats; ECC plain; QR code); BAR CODES (BC25/25i/39/39E/93/128; GS1-128; UPC_A; RSS14TR/ST/STC; RS LIM/EXP) Graphics/ graphic components, logos, symbols, etc. (dxf, jpg, ai, etc.)</p> <p>Linear, circular, angular text marking; rotation, reflection, expansion, compression of marking contents</p> <p>Sequence and serial numbering; Automatic date, layer and time coding, real-time clock</p> <p>Online coding of individual data (weight, contents, etc.)</p>
Laser Source	<p>Ytterbium (Yb) pulsed fiber laser</p> <p>Power class 100 Watt</p> <p>Central emission wavelength: 1064nm (min: 1055nm, max: 1075nm)</p>
Laser Beam Deflection	2 high-speed galvanometer scanners
Laser Beam Orientation	90-degree (standard) and straight-out (option)
Focussing	Focal lengths: f=100/163/254/420mm
Multiple Operator Interface Options	Smart Graph software on PC; configurable in 12 languages (option)
Language Capabilities (interface dependent)	Brazilian Portuguese, Chinese, Czech, Danish, Dutch, English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish
Communication	<p>Ethernet, TCP/IP and RS232, digital I/Os</p> <p>Inputs for encoders and product detector triggers</p> <p>I/Os for start, stop, external error, job select, trigger, trigger enable, encoder; system ready, ready to mark, marking, shutter closed, error, bad, good signals and machine/operator interlocks</p>
Integration	<p>Direct integration into complex production lines via scripting interface</p> <p>Integration via Ethernet and RS232 interface</p> <p>Highly precise side guided height adjustment via dovetail joint</p>
Electrical Requirements	100 - 240 VAC (autorange), 700 VA, 1 PH, 50/60 Hz

Cooling System	Air cooled
Temperature / Humidity Range	10 - 35° C (50 - 95° F) and up to 40°C (104° F) with a duty cycle of 70% 10 - 90%, non-condensing
Sealing and Safety Standards	Marking unit: IP54 Supply unit: IP22 LASER CLASS 4 product (acc. to EN 60825-1:2014)
Measured Weight	Supply unit: approx. 25kg (55lbs) Marking unit: approx. 8kg (18lbs)
Applicable Certifications	CE, TÜV/NRTL, FCC

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